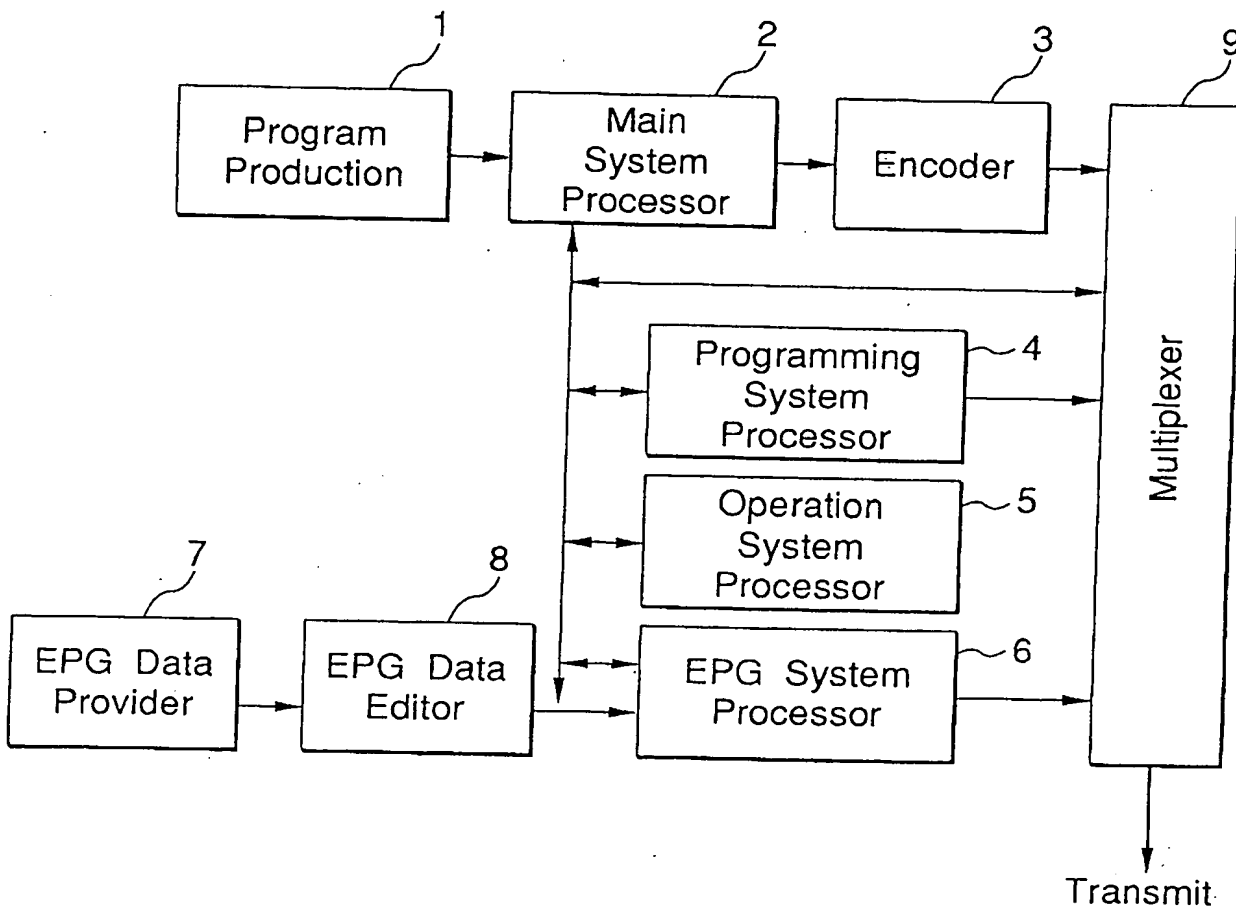
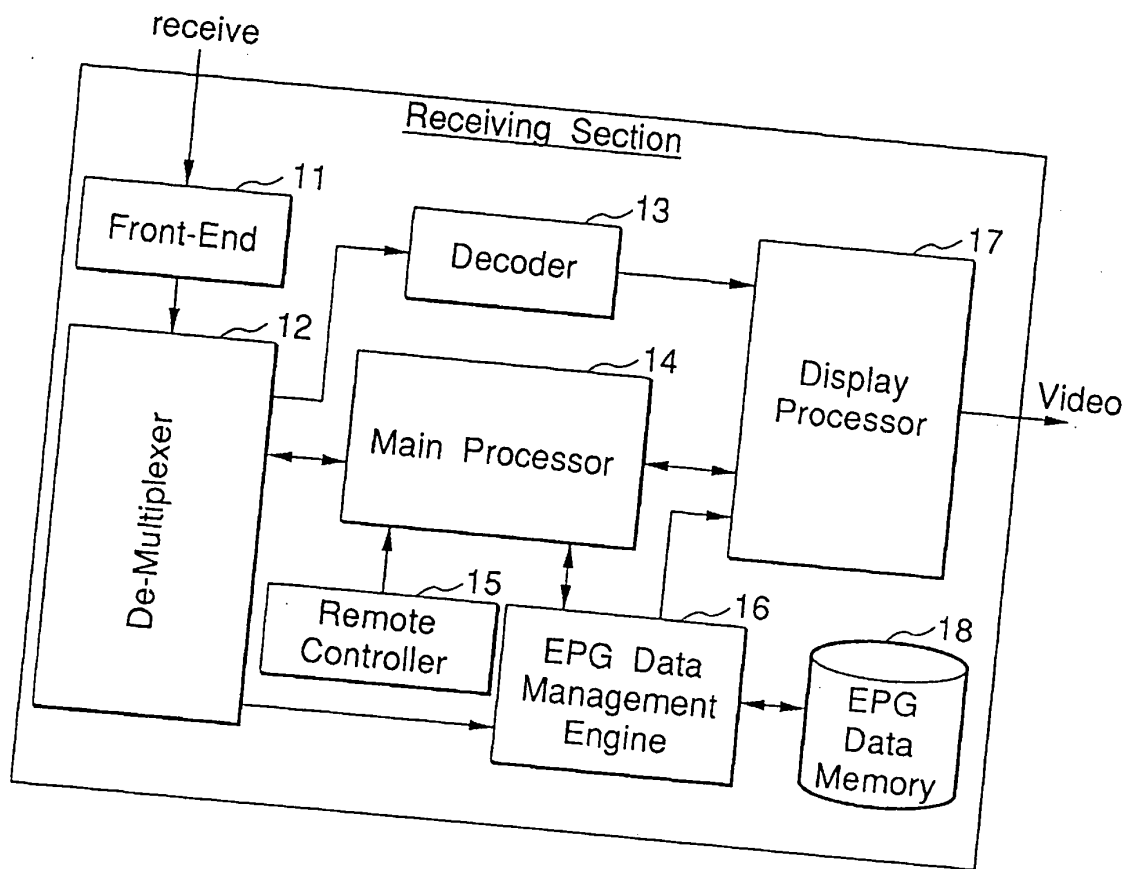


FIG. 1



05129160

FIG.2



665720-429160

FIG.3

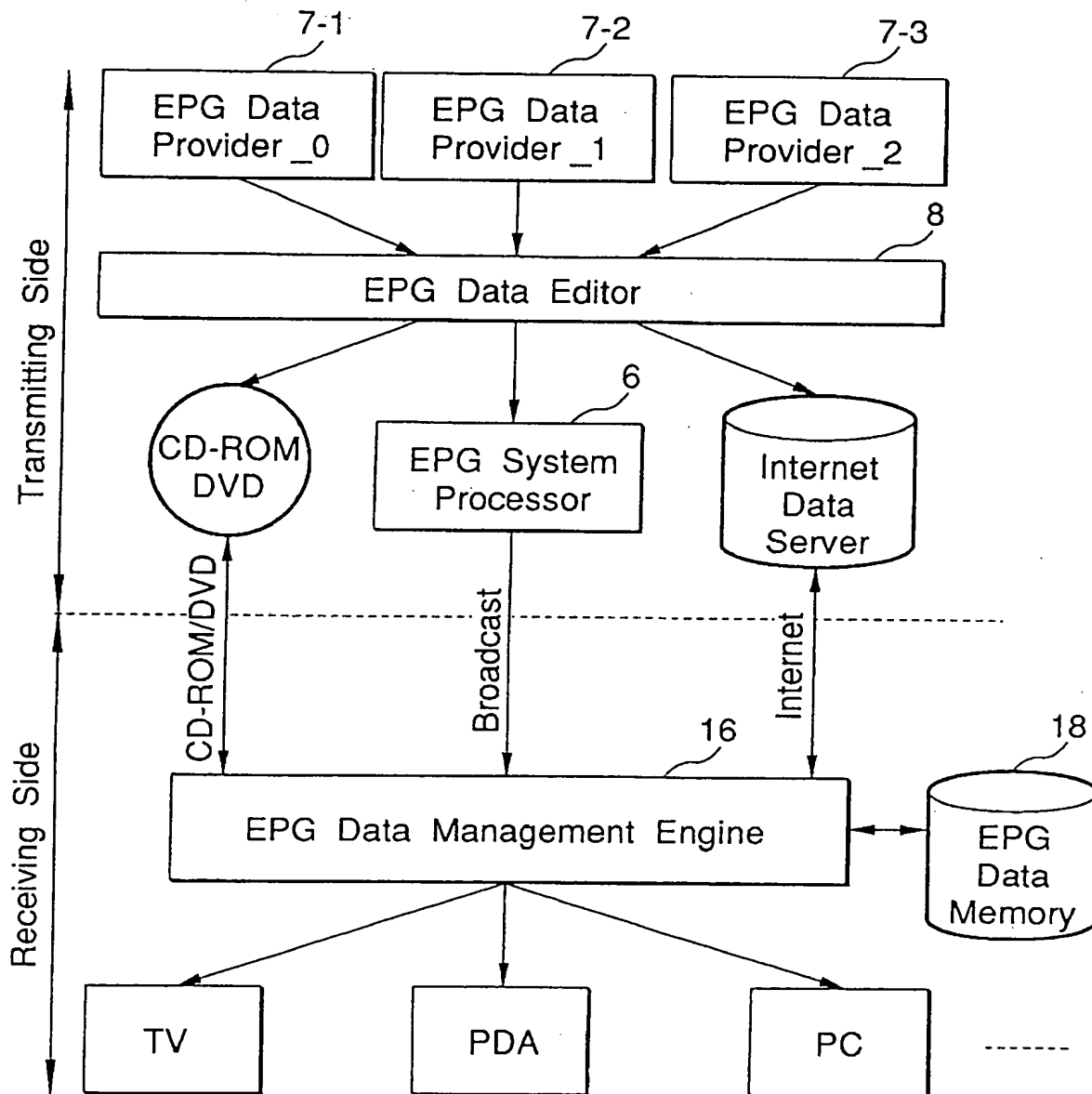


FIG.4

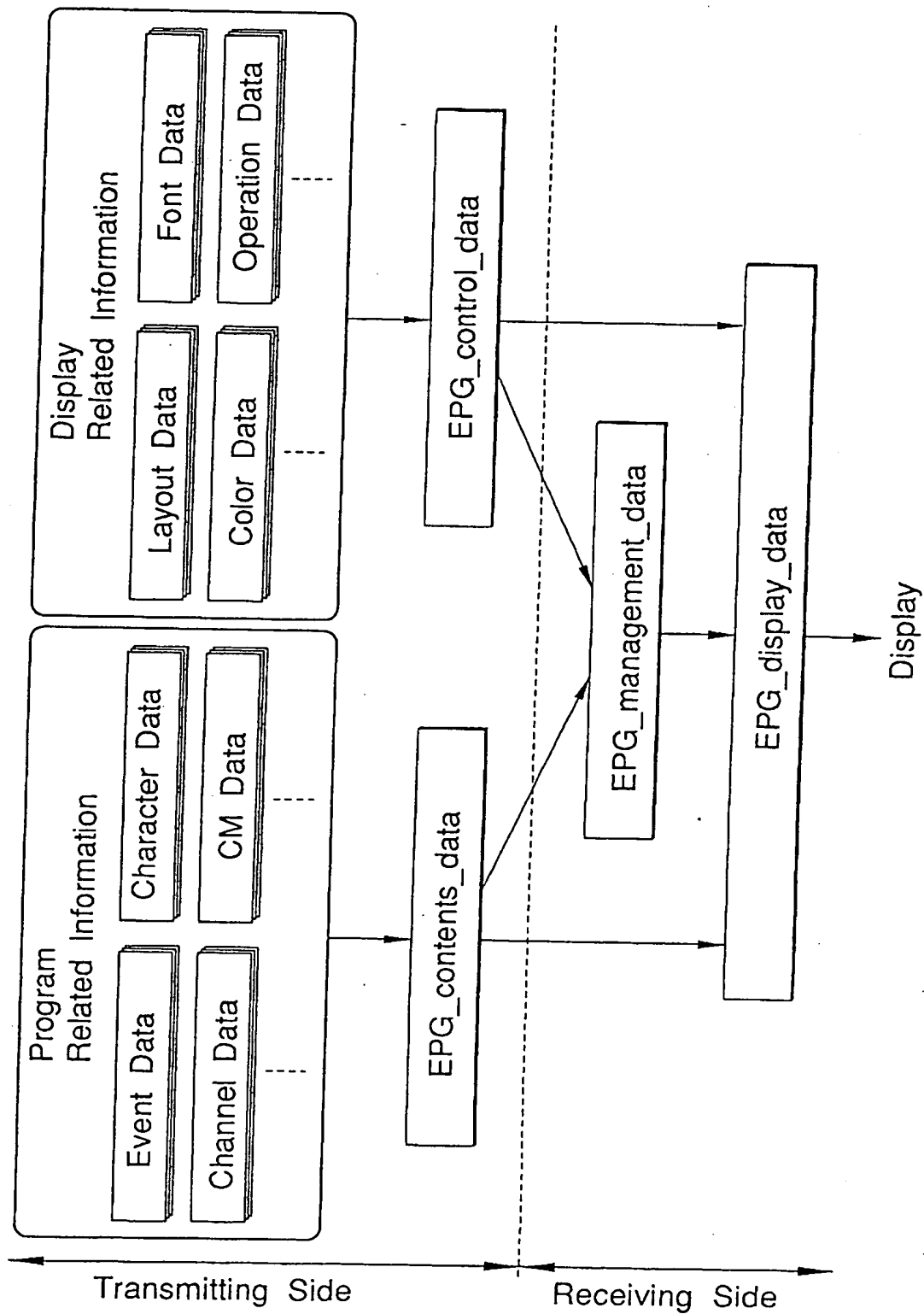
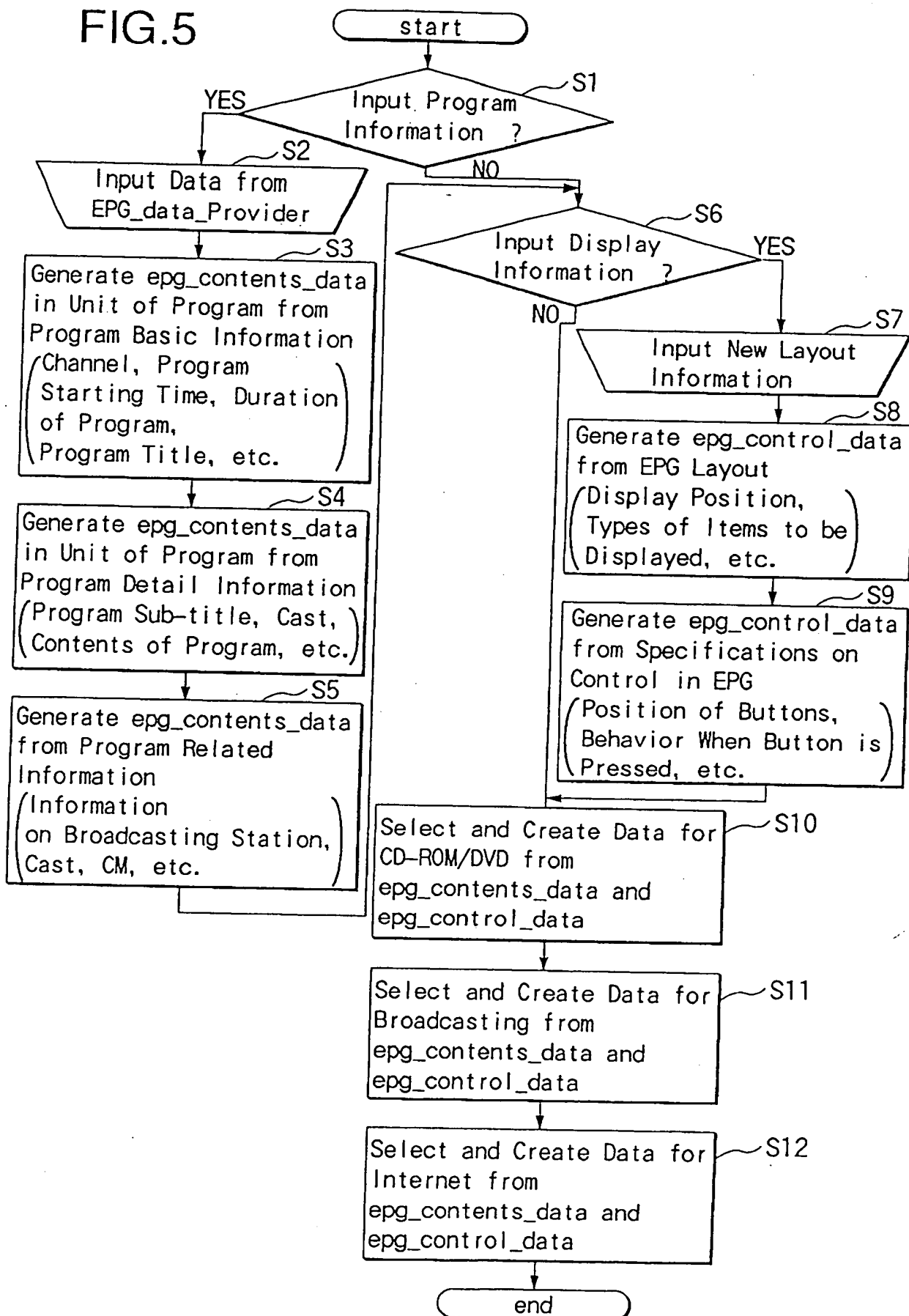


FIG.5



2005-04-20 14:59:00

FIG.6

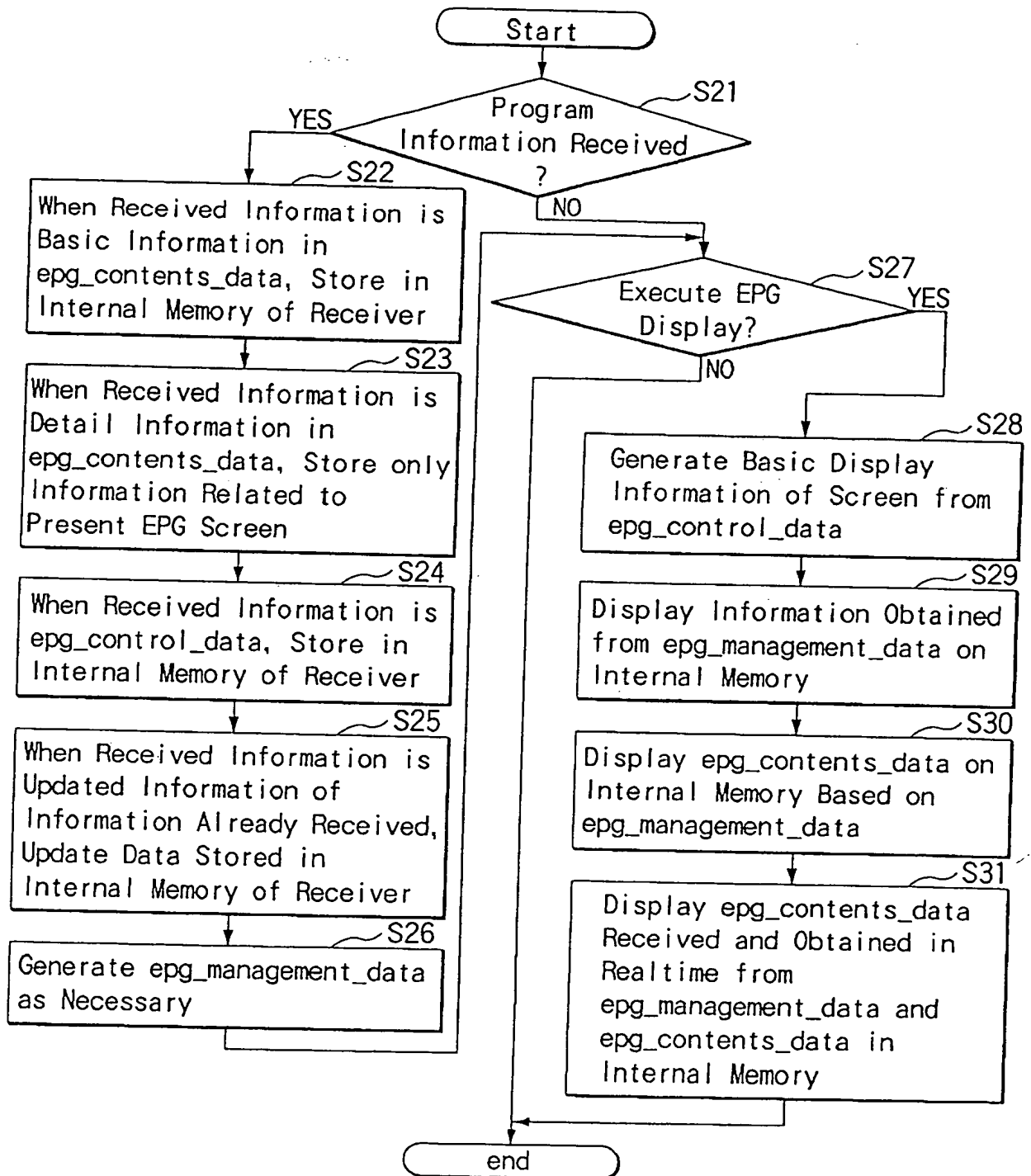


FIG.7

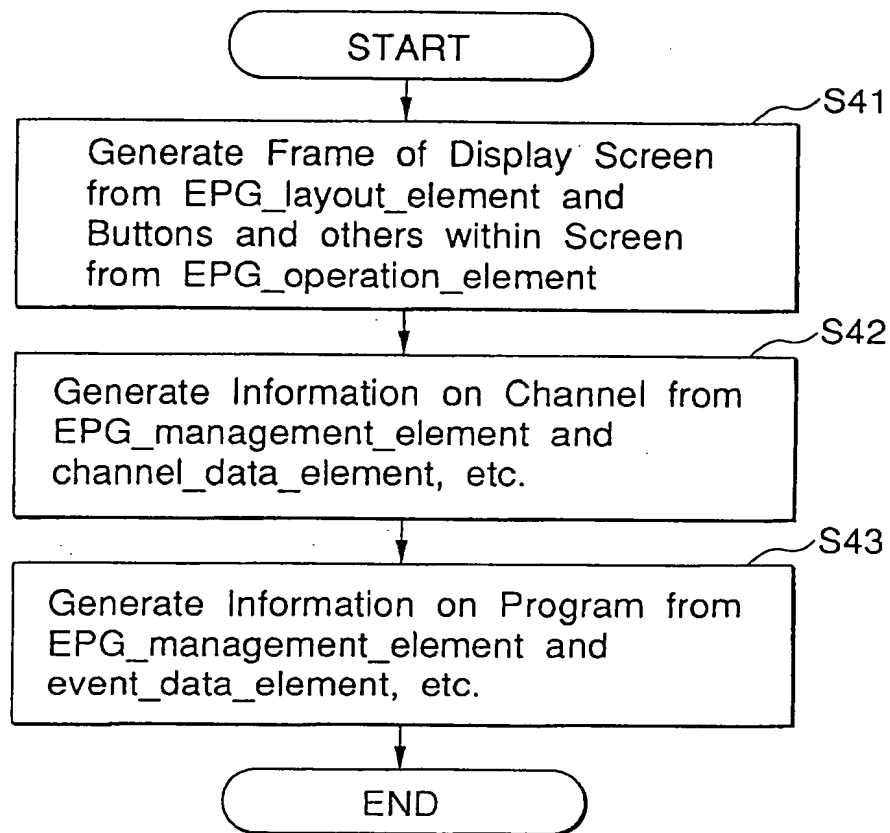


FIG.8

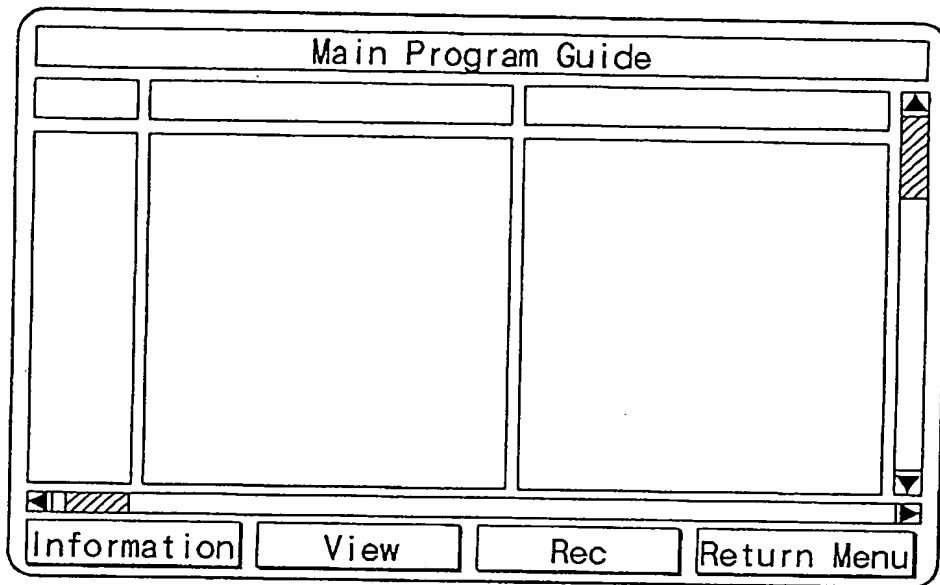


FIG.9

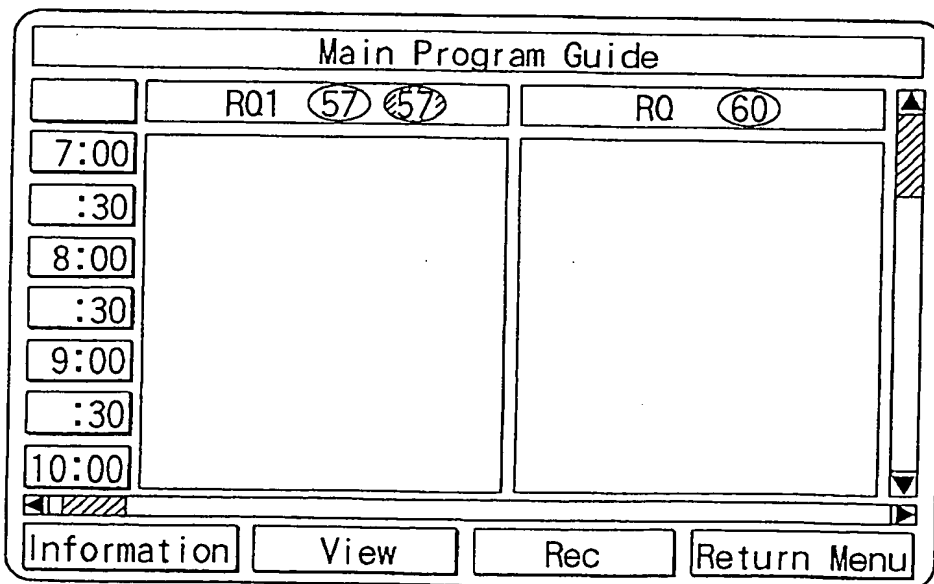


FIG.10

Main Program Guide			
	RQ1 (57) (57)	RQ (60)	
7:00	Only You (CC) PG	Airborne (CC) PG	
:30			
8:00	(Marisa Tomei Robert Downey, Jr.)	The Crush (CC) R (Cary Elwas)	
:30			
9:00	Natural Born Killers (CC) R	The Cool Surface R (Ten Hatcher)	
:30	(Woody Harmison, Juliette Lewis)		
10:00			
Information		View	Rec
		Return Menu	

FIG.11

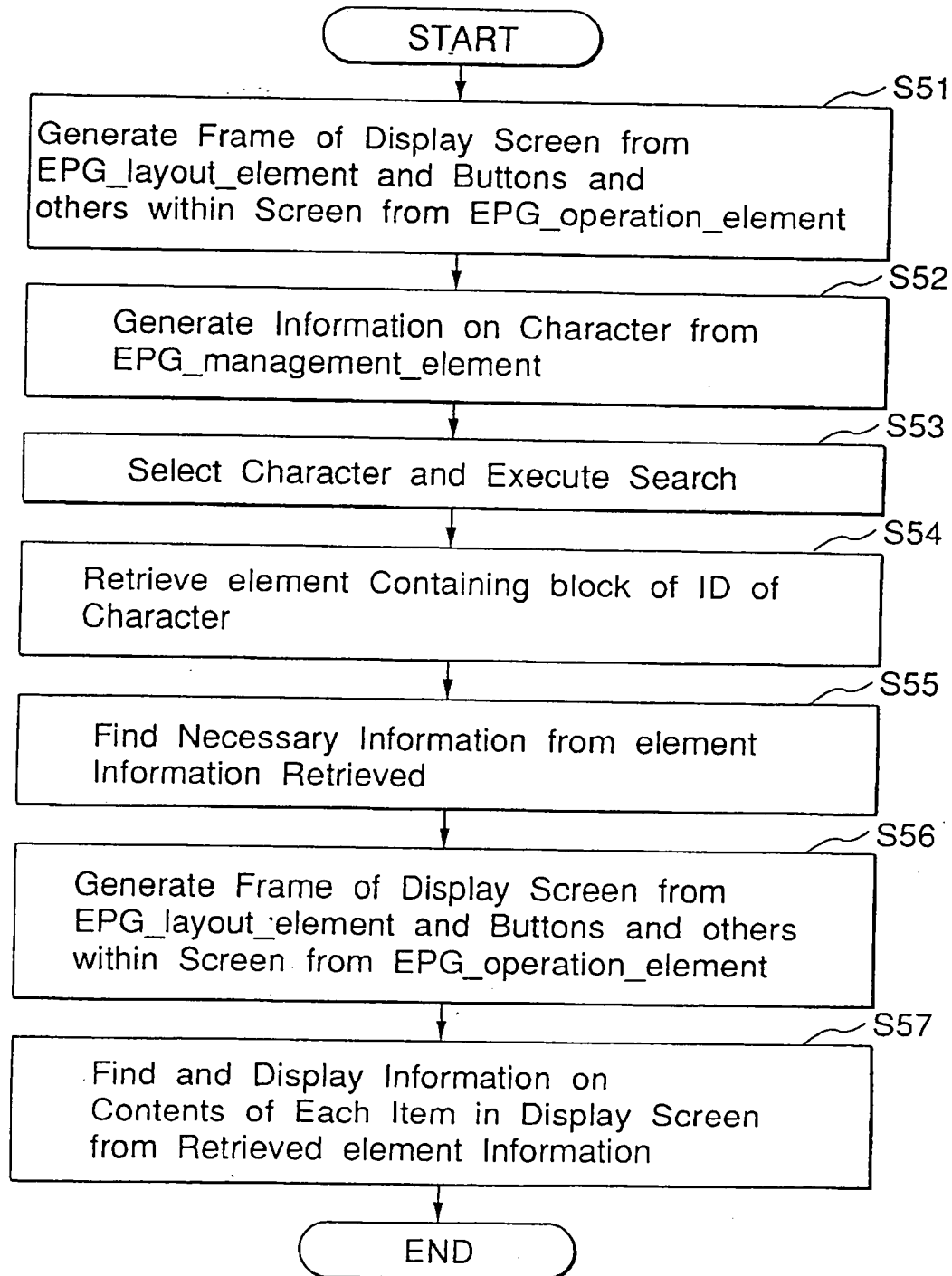


FIG.12

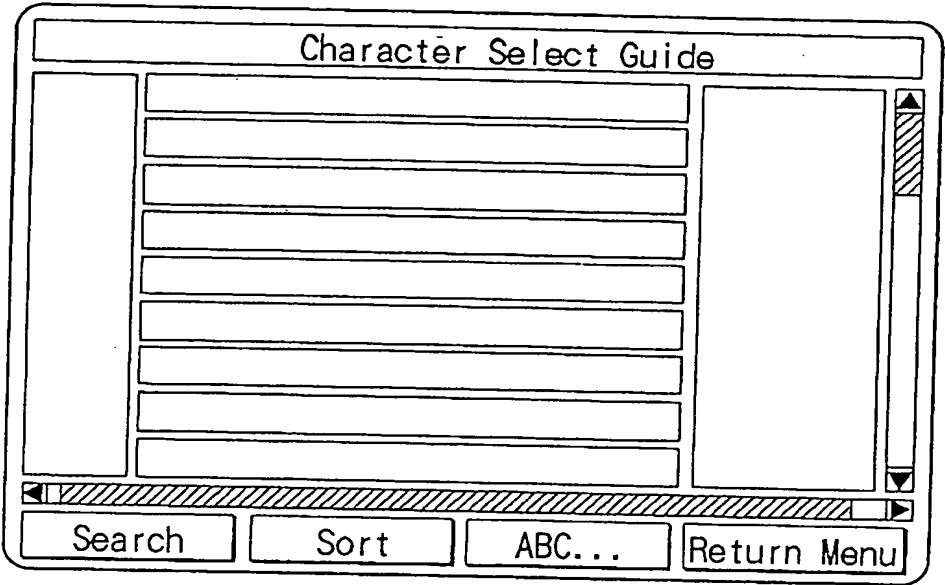


FIG.13

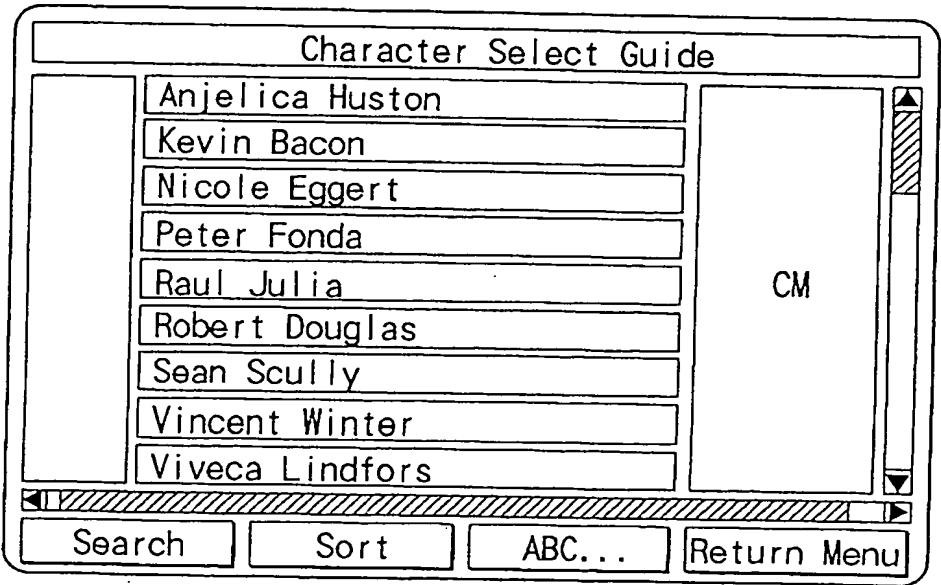


FIG.14

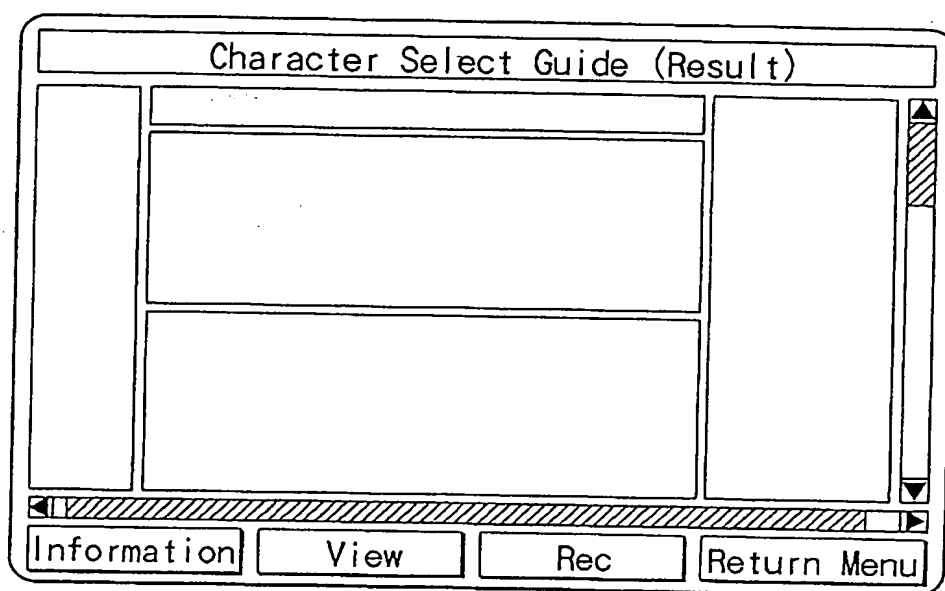


FIG.15

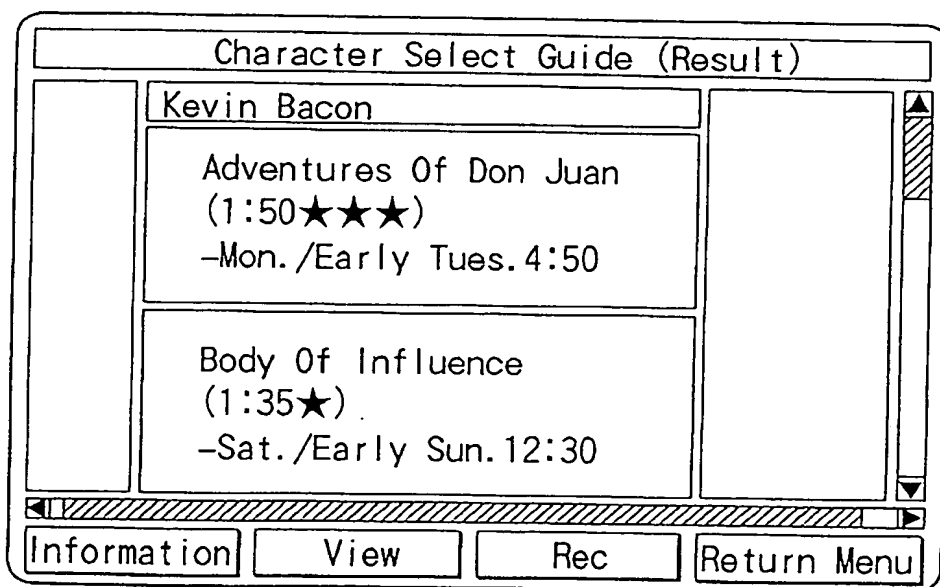
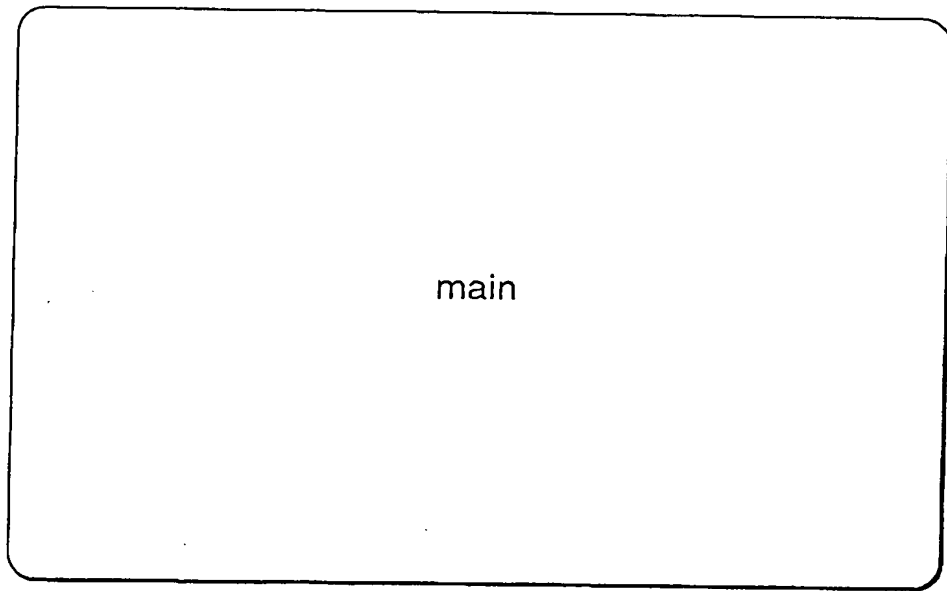


FIG.16

epg_data	element	description
epg_contents_data	event_data_element	element Describing Information on Broadcasting Program
	channel_data_element	element Describing Information on Broadcasting Station
	character_data_element	element Describing Information on Characters
	material_data_element	element Describing Information on Material
	company_data_element	element Describing Information on Company
	text_data_element	element Describing Information on Text
	picture_data_element	element Describing Information on Picture
	sound_data_element	element Describing Information on Sound
	movie_data_element	element Describing Information on Movie
	CM_data_element	element Describing Information Related to CM
epg_control_data	main_layout_element	element Describing Main Information on Browser Layout
	box_layout_element	element Describing Box Information on Browser Layout
	cell_layout_element	element Describing Cell Information on Browser Layout
	main_operation_element	element Describing Main Information on Browser Control
	box_operation_element	element Describing Box Information on Browser Control
	cell_operation_element	element Describing Cell Information on Browser Control
epg_management_data	main_management_element	element Describing Main Information on Browser Management
	box_management_element	element Describing Box Information on Browser Management
	cell_management_element	element Describing Cell Information on Browser Management
	list_management_element	element Describing Information on Program List
epg_display_data	★	Browser Display Information

FIG.17



09113144-01159

FIG.18

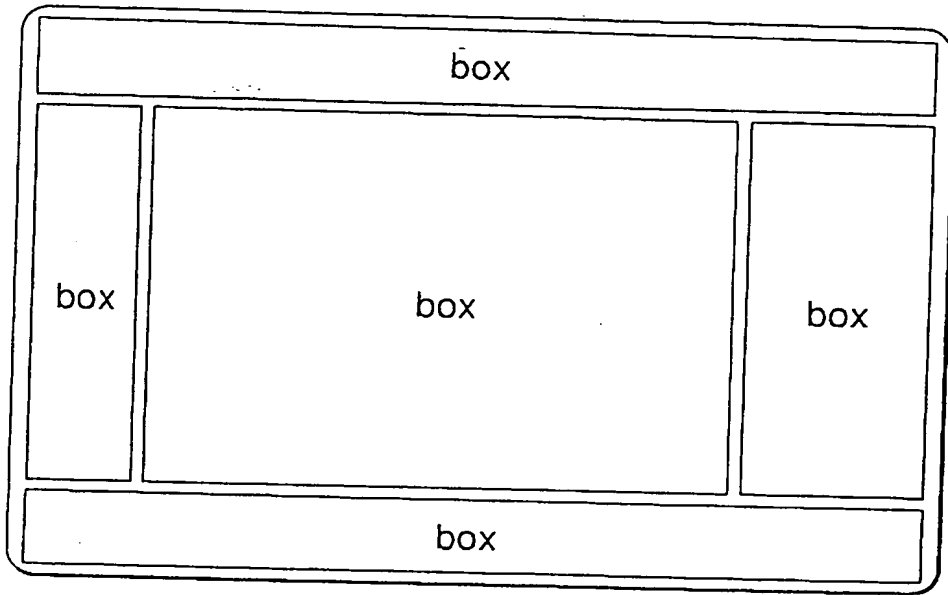


FIG.19

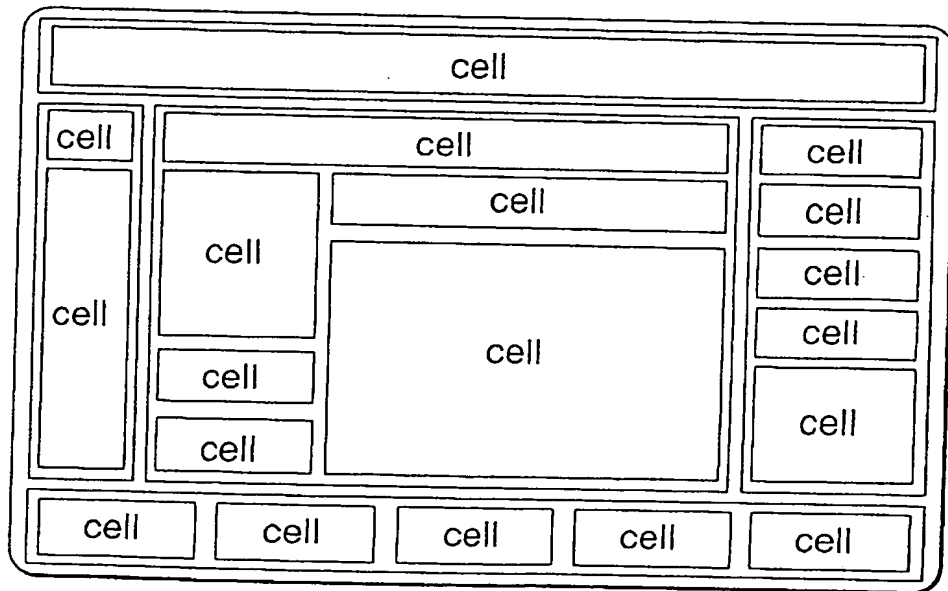


FIG.20

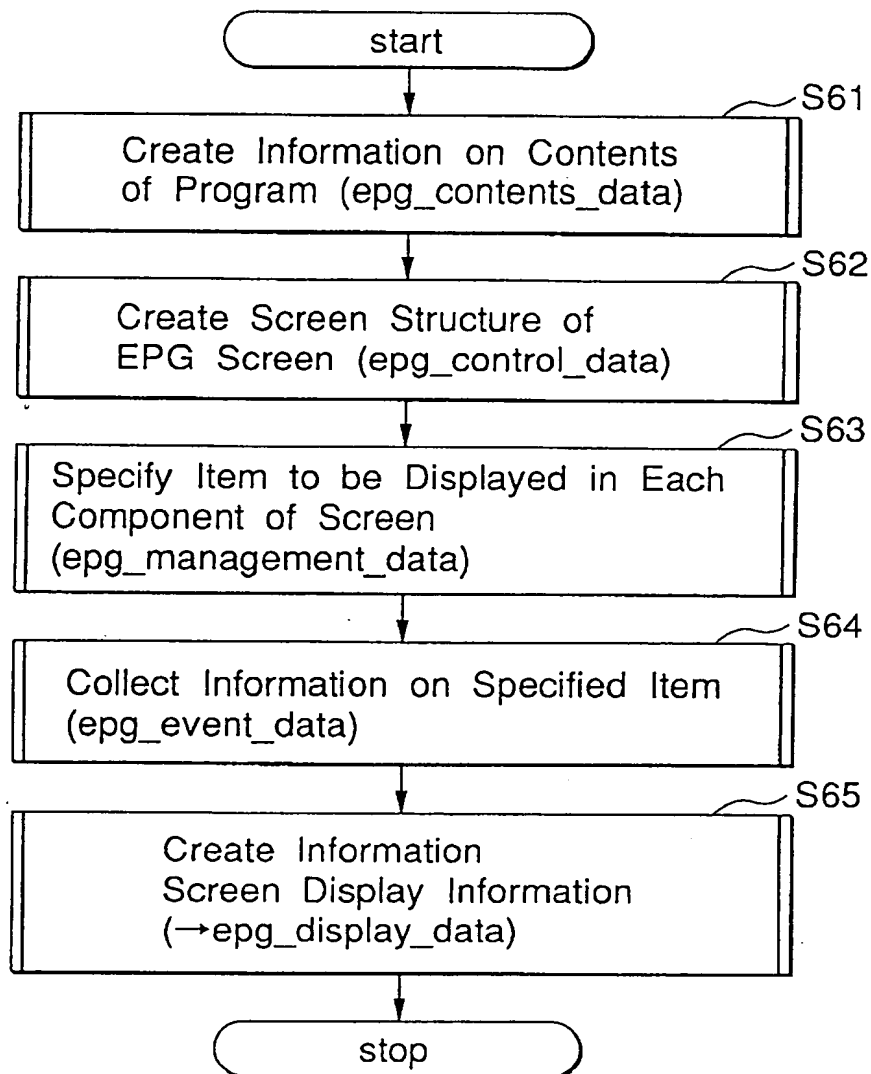


FIG.21

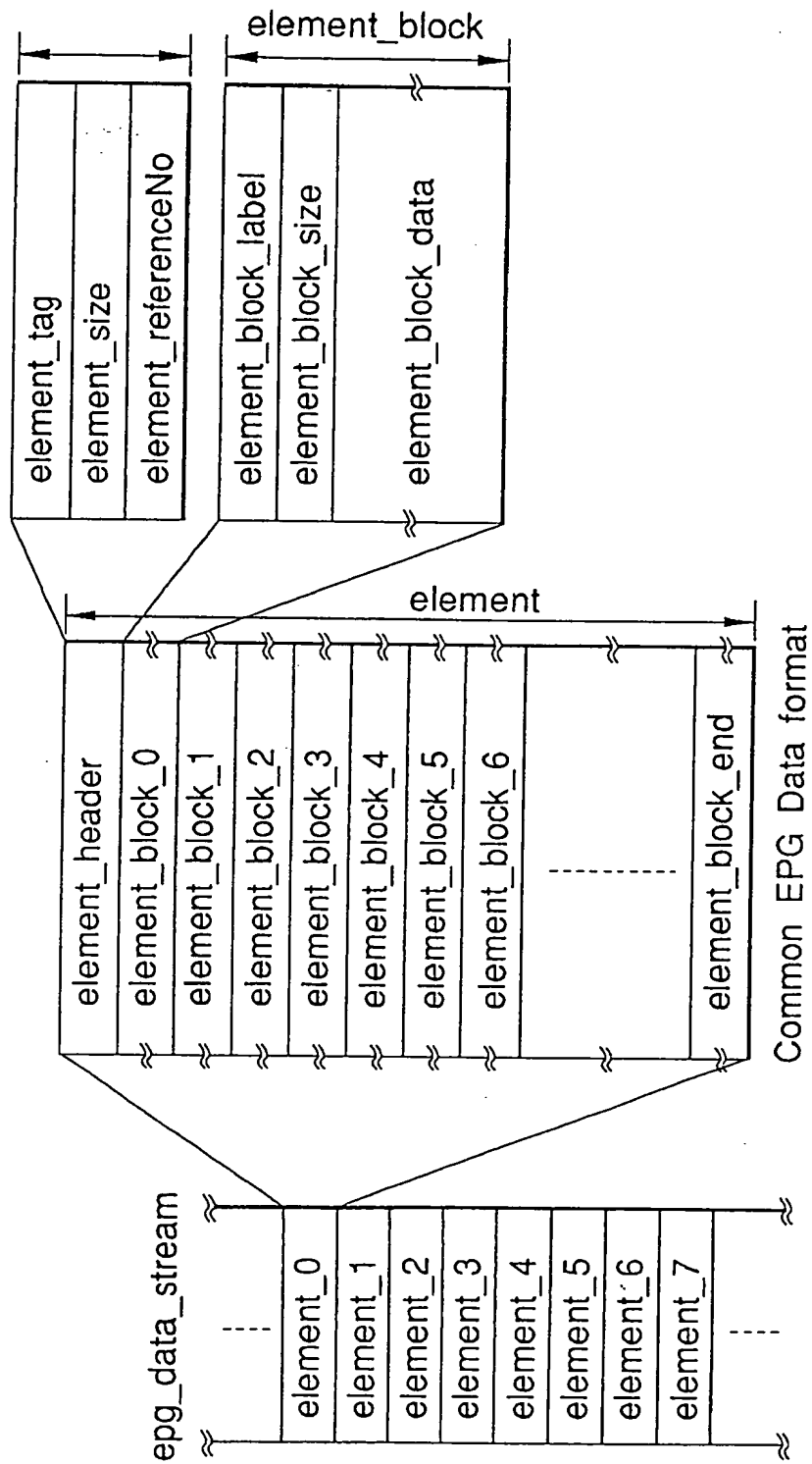


FIG.22

element_block_kind	element_block_data
ID	Identification No. Allocated to element_block
value	Numerical Value
text	Character String
picture	Picture
sound	Sound
movie	Movie
time	Time

FIG.23

<element_tag> ... <event_data_tag>

[element_block_label]	element_block_data	element_block_kind	data
event_no_label	event_no	ID	ID Allocated in Unit of Program
onAir_time_label	onAir_time	time	Program Starting Date/Time
duration_label	duration	time	Program Broadcasting Duration
onAir_channel_label	channel_no	ID	channel_no of Channel in Which Program is Broadcasted
category_label	category_no	ID	category_no of Program Category
program_Type_label	Program_type	ID	type_no of Program Type
main_title_label	main_title	text	Main Title of Program
sub_title_label	sub_title	text	Sub-Title of Program
1st_detail_label	1st_detail	text	Contents of Program
2nd_detail_label	2nd_detail	text	(Detail) Contents of Program
relational_character_label	character_no	ID	character_no of Character in Program
relational_picture_label	picture_no	ID	picture_no of Picture Related to Program
relational_sound_label	sound_no	ID	sound_no of Sound Related to Program
relational_movie_label	movie_no	ID	movie_no of Movie Related to Program
relational_company_label	company_no	ID	company_no of Company Related to Program

FIG.24A

event_data_format
(ex.0 "basic")

element_header
[event_no_label]
block_data_size
event_no
[onAir_time_label]
block_data_size
onAir_time
[duration_label]
block_data_size
duration
[onAir_channel_label]
block_data_size
onAir_channel_no

FIG.24B

event_data_format
(ex.1 "addition")

element_header
[event_no_label]
block_data_size
event_no
[category_label]
block_data_size
category_no
[event_type_label]
block_data_size
event_type_no

FIG.24C

event_data_format
(ex.2 "detail")

element_header
[event_no_label]
block_data_size
event_no
[main_title_label]
block_data_size
main_title
[sub_title_label]
block_data_size
sub_title
[1st_detail_label]
block_data_size
1st_detail
[2nd_detail_label]
block_data_size
2nd_detail

FIG.24D

event_data_format
(ex.3 "relation")

element_header
[event_no_label]
block_data_size
event_no
[relational_character_label]
block_data_size
character_no
[relational_picture_label]
block_data_size
picture_no
[relational_movie_label]
block_data_size
movie_no
[relational_sound_label]
block_data_size
sound_no
[relational_company_label]
block_data_size
company_no

FIG.25

<element_tag>...<channel_data_tag>

[element_block_label]	element_block_data	element_block_kind	data
channel_no_label	channel_no	ID	ID Allocated in Unit of Channel
station_name_label	station_name	text	Name of Broadcasting Station
station_icon_label	station_icon	pict	station_icon of Broadcasting Station
relational_picture_label	picture_no	ID	picture_no of Picture Related to Broadcasting Station
relational_sound_label	sound_no	ID	sound_no of Sound Related to Broadcasting Station
relational_movie_label	movie_no	ID	movie_no of Movie Related to Broadcasting Station
channel_company_label	company_no	ID	company_no of Company Related to Broadcasting Station

FIG.26A

channel_data_format
(ex.0 "basic")

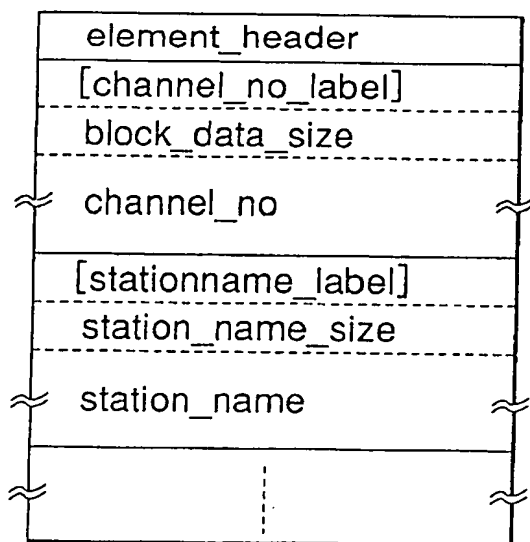


FIG.26B

channel_data_format
(ex.1 "detail")

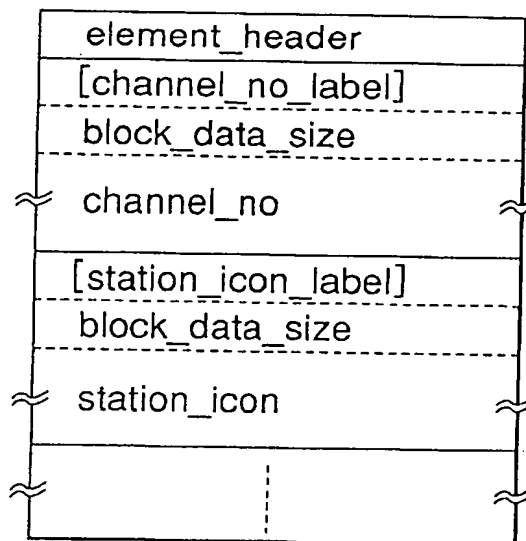


FIG.27

<element_tag>... <character_data_tag>

[element_block_label]	element_block_data	element_block_kind	data
channel_no_label	character_no	ID	ID Allocated in Unit of Character
character_name_label	character_name	text	Name of Character
character_age_label	character_age	value	Age
character_profile_label	character_profile	text	Profile
relational_character_label	character_no	ID	character_no of Character Related to Character
relational_picture_label	picture_no	ID	picture_no of Picture Related to Character
relational_sound_label	sound_no	ID	sound_no of Sound Related to Character
relational_movie_label	movie_no	ID	movie_no of Movie Related to Character

FIG.28A

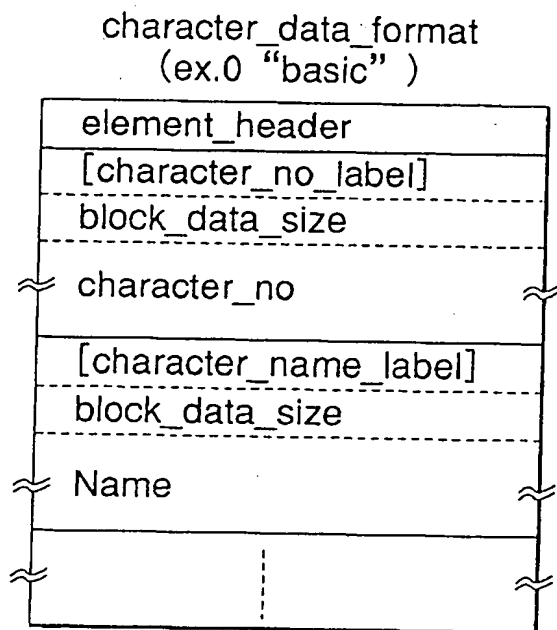


FIG.28B

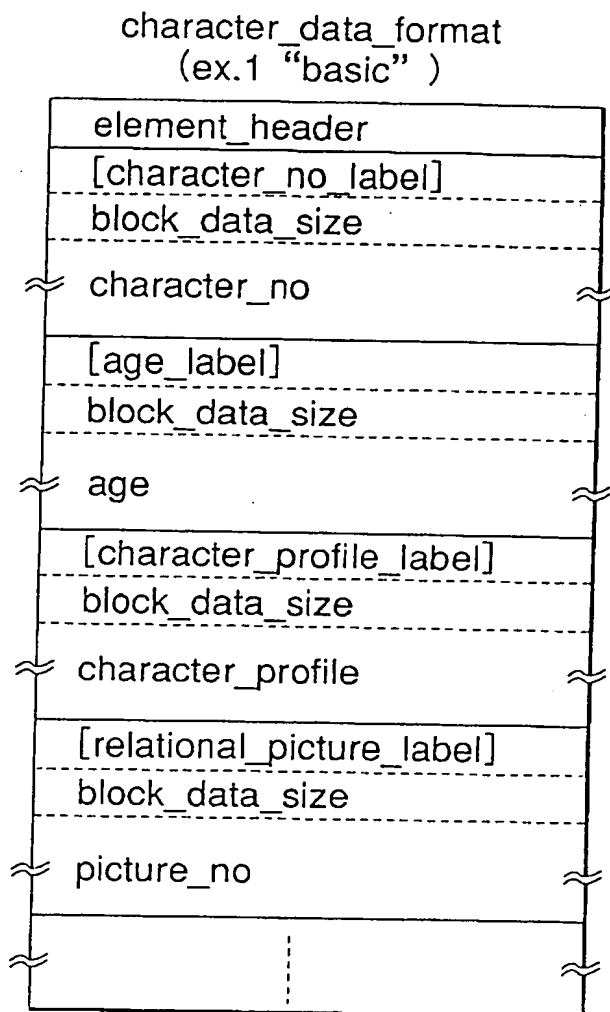


FIG. 29

<element_tag>... <text_data_tag>

[element_block_label]	element_block_data	element_block_kind	data
text_no_label	text_no	ID	ID Allocated in Unit of Text
text_name_label	text_name	text	Name of Text
text_format	text_format_no	ID	Format ID of Text
relational_program_label	program_no	ID	program_no of Program Related to Text
relational_character_label	character_no	ID	character_no of Character Related to Text
relational_picture_label	picture_no	ID	picture_no of Picture Related to Text
relational_sound_label	sound_no	ID	sound_no of Sound Related to Text
relational_movie_label	movie_no	ID	movie_no of Movie Related to Text

FIG.30

<element_tag>... <picture_data_tag>

[element_block_label]	element_block_data	element_block_kind	data
picture_no_label	picture_no	ID	ID Allocated in Unit of Picture
picture_name_label	picture_name	text	Name of Picture
picture_format	picture_format_no	ID	Format ID of Picture
relational_program_label	program_no	ID	program_no of Program Related to Picture
relational_character_label	character_no	ID	character_no of Character Related to Picture
relational_picture_label	picture_no	ID	picture_no of Picture Related to Picture
relational_sound_label	sound_no	ID	sound_no of Sound Related to Picture
relational_movie_label	movie_no	ID	movie_no of Movie Related to Picture

FIG.31

<element_tag>... <sound_data_tag>

[element_block_label]	element_block_data	element_block_kind	data
sound_no_label	sound_no	ID	ID Allocated in Unit of Sound
sound_name_label	sound_name	text	Name of Sound
sound_format	sound_format_no	ID	Format ID of Sound
relational_program_label	program_no	ID	program_no of Program Related to Sound
relational_character_label	character_no	ID	character_no of Character Related to Sound
relational_picture_label	picture_no	ID	picture_no of Picture Related to Sound
relational_sound_label	sound_no	ID	sound_no of Sound Related to Sound
relational_movie_label	movie_no	ID	movie_no of Movie Related to Sound

FIG.32

<element_tag>... <movie_data_tag>

[element_block_label]	element_block_data	element_block_kind	data
movie_no_label	movie_no	ID	ID Allocated in Unit of Movie
movie_name_label	movie_name	text	Name of Movie
movie_format	movie_format_no	ID	Format ID of Movie
relational_program_label	program_no	ID	Program_no of Program Related to Movie
relational_character_label	character_no	ID	character_no of Character Related to Movie
relational_picture_label	picture_no	ID	picture_no of Picture Related to Movie
relational_sound_label	sound_no	ID	sound_no of Sound Related to Movie
relational_movie_label	movie_no	ID	movie_no of Movie Related to Movie

FIG. 33A

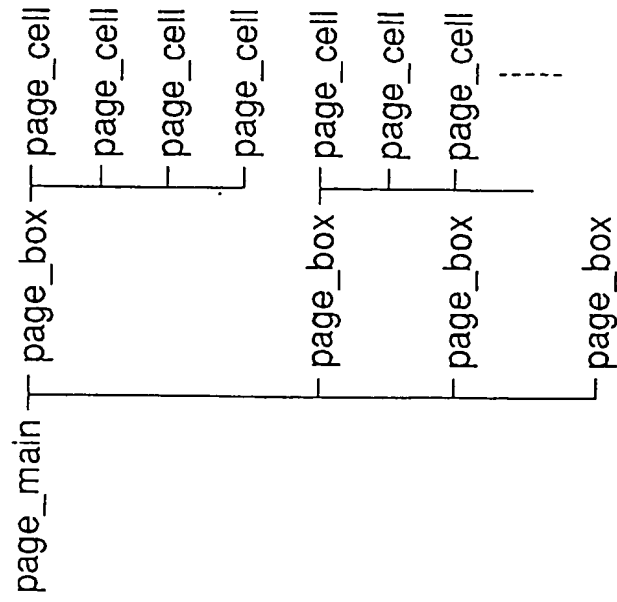


FIG. 33B

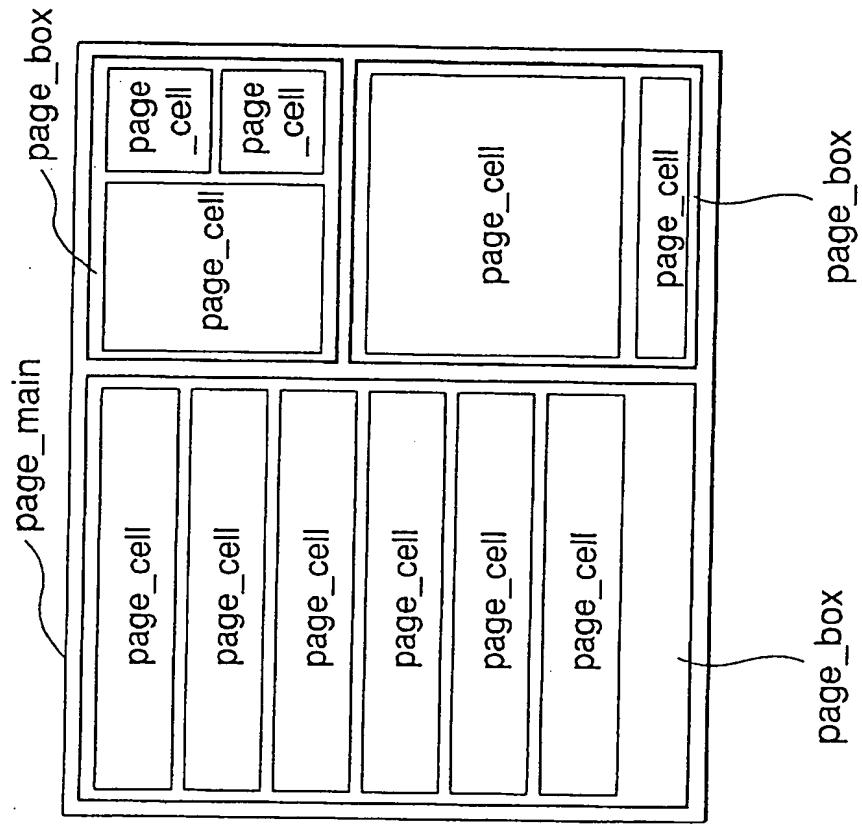


FIG.34A

<element_tag>...<main_layout_tag>

[element_block_label]	element_block_data	element_block_kind	data
page_no_label	page_no	ID	ID Allocated in Unit of Page to be Displayed
page_name_label	page_name	text	Name of Page
page_position_label	page_position	value	Page Display Position
compose_box_label	box_no	ID	box_no of Box Composing Page

FIG.34B

<element_tag>...<box_layout_tag>

[element_block_label]	element_block_data	element_block_kind	data
box_no_label	box_no	ID	ID Allocated in Unit of Box
box_name_label	box_name	text	Name of Box
box_position_label	box_position	value	Box Display Position
compose_cell_label	cell_no	ID	cell_no of Cell Composing Box

FIG.34C

<element_tag>...<cell_layout_tag>

[element_block_label]	element_block_data	element_block_kind	data
cell_no_label	cell_no	ID	ID Allocated in Unit of Cell
cell_name_label	cell_name	text	Name of Cell
cell_position_label	cell_position	value	Cell Display Position
relational_program_no_label	program_no	ID	program_no of Program Related to Cell
relational_channel_no_label	channel_no	ID	channel_no of Channel Related to Cell
relational_character_no_label	character_no	ID	character_no of character Related to Cell
relational_material_no	material_no	ID	material_no of Material Related to Cell

FIG.35

(35-1)

element	block	description
event_data_element		Describe Information on Broadcasting Program
	event_no_block	ID Allocated in Unit of Program
	onAir_time_block	Program Starting Date/Time
	duration_block	Program Broadcasting Duration
	onAir_channel_block	channel_no of Channel in Which Program is Broadcasted
	category_block	category_no of Program Category
	eventType_block	type_no of Program Type
	main_title_block	Main Title of Program
	sub_title_block	Sub-Title of Program
	1st_detail_block	Contents of Program
	2nd_detail_block	(Detail) Contents of Program
	relational_program_no_block	program_no of Related Program
	relational_character_block	character_no of Related Character (Cast)
	relational_material_block	material_no of Related Material
	relational_company_block	company_no of Related Company (Sponsor)
	relational_text_block	text_no of Related Text
	relational_picture_block	picture_no of Related Picture
	relational_sound_block	sound_no of Related Sound
	relational_movie_block	movie_no of Related Movie
channel_data_element		Describe Information on Broadcasting Station
	channel_no_block	ID Allocated in Unit of Channel
	station_name_block	Name of Broadcasting Station
	station_icon_block	station_icon of Broadcasting Station
	relational_program_no_block	program_no of Related Program
	relational_character_block	character_no of Related Character
	relational_material_block	material_no of Related Material
	relational_company_block	company_no of Related Company
	relational_text_block	text_no of Related Text
	relational_picture_block	picture_no of Related Picture
	relational_sound_block	sound_no of Related Sound
	relational_movie_block	movie_no of Related Movie
character_data_element		Describe Information on Character
	character_no_block	ID Allocated in Unit of Character
	character_name_block	Name of Character
	character_age_block	Age
	character_profile_block	Profile
	relational_program_no_block	program_no of Related Program
	relational_character_block	character_no of Related Character
	relational_material_block	material_no of Related Material
	relational_company_block	company_no of Related Company
	relational_text_block	text_no of Related Text
	relational_picture_block	picture_no of Related Picture
	relational_sound_block	sound_no of Related Sound
	relational_movie_block	movie_no of Related Movie

FIG.36

(35-2)

element	block	description
material_data_element		Describe Information on Material
	material_no_block	ID Allocated in Unit of Material
	material_name_block	Name of Material
	relational_program_no_block	program_no of Related Program
	relational_character_block	character_no of Related Character
	relational_material_block	material_no of Related Material
	relational_company_block	company_no of Related Company
	relational_text_block	text_no of Related Text
	relational_picture_block	picture_no of Related Picture
company_data_element	relational_sound_block	sound_no of Related Sound
	relational_movie_block	movie_no of Related Movie
		Describe Information on Company
	company_no_block	ID Allocated in Unit of Company
	company_name_block	Name of Company
	relational_program_no_block	program_no of Related Program
	relational_character_block	character_no of Related Character
	relational_material_block	material_no of Related Material
	relational_company_block	company_no of Related Company
text_data_element	relational_text_block	text_no of Related Text
	relational_picture_block	picture_no of Related Picture
	relational_sound_block	sound_no of Related Sound
	relational_movie_block	movie_no of Related Movie
		Describe Information on Text
	text_no_block	ID Allocated in Unit of Text
	text_name_block	Name of Text
	text_format_block	Format ID of Text
	relational_program_no_block	program_no of Related Program
picture_data_element	relational_character_block	character_no of Related Character
	relational_material_block	material_no of Related Material
	relational_company_block	company_no of Related Company
	relational_text_block	text_no of Related Text
	relational_picture_block	picture_no of Related Picture
	relational_sound_block	sound_no of Related Sound
	relational_movie_block	movie_no of Related Movie
		Describe Information on Picture
	picture_no_block	ID Allocated in Unit of Picture
	picture_name_block	Name of Picture
	picture_format_block	Format ID of Picture
	relational_program_no_block	program_no of Related Program
	relational_character_block	character_no of Related Character
	relational_material_block	material_no of Related Material
	relational_company_block	company_no of Related Company
	relational_text_block	text_no of Related Text
	relational_picture_block	picture_no of Related Picture
	relational_sound_block	sound_no of Related Sound
	relational_movie_block	movie_no of Related Movie

SECRET

FIG.37

(35-3)

element	block	description
sound_data_element		Describe Information on Sound
	sound_no_block sound_name_block sound_format_block relational_program_no_block relational_character_block relational_material_block relational_company_block relational_text_block relational_picture_block relational_sound_block relational_movie_block	ID Allocated in Unit of Sound Name of Sound Format ID of Sound program_no of Related Program character_no of Related Character material_no of Related Material company_no of Related Company text_no of Related Text picture_no of Related Picture sound_no of Related Sound movie_no of Related Movie
movie_data_element		Describe Information on Movie
	movie_no_block movie_name_block movie_format relational_program_no_block relational_character_block relational_material_block relational_company_block relational_text_block relational_picture_block relational_sound_block relational_movie_block	ID Allocated in Unit of Movie Name of Movie Format ID of Movie program_no of Related Program character_no of Related Character material_no of Related Material company_no of Related Company text_no of Related Text picture_no of Related Picture sound_no of Related Sound movie_no of Related Movie

FIG.38

element	block	description
main_layout_element		Describe Information on Main Screen
	page_no_block	ID Allocated in Unit of Page to be Displayed
	page_name_block	Name of Page
	page_position_block compose_box_block	Page Display Position box_no of Box Composing Page
box_layout_element		Describe Information on Box Screen
	box_no_block	ID Allocated in Unit of Box
	box_name_block	Name of Box
	box_position_block compose_cell_block	Box Display Position cell_no of Cell Composing Box
cell_layout_element		Describe Information on Cell Screen
	cell_no_block	ID Allocated in Unit of Cell
	cell_name_block	Name of Cell
	cell_position_block	Cell Display Position
	contents_element_block contents_id_block	Type of contents_element to be Displayed in Cell ID of contents_element to be Displayed in Cell
main_operation_element		Describe Information for Controlling Main Screen
box_operation_element		Describe Information for Controlling Box Screen
cell_operation_element		Describe Information for Controlling Cell Screen

FIG.39

element	block	description
list_management_element		Describe Information on Program List
	list_no_block list_time_block event_no_block onAir_time_block	ID Allocated in Unit of Program List Data of Program List ID Allocated in Unit of Program Program Starting Date/Time

865F20-42F9F60